

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY
1946

PLATE I. MAP OF UPPER PINAL CREEK (GLOBE) AREA, GILA COUNTY, ARIZONA
SHOWING GEOLOGY



EXPLANATION

SYMBOL	MATERIAL	PROBABLE AGE	WATER-BEARING-PROPERTIES
	ALLUVIUM	QUATERNARY	YIELDS WATER FROM SAND AND GRAVEL; SUPPLIES USUALLY FAIL IN EXTREME DROUGHT
	BASALT	QUATERNARY (?)	NON-WATER-BEARING IN AREA MAPPED
	GILA CONGLOMERATE	QUATERNARY AND TERTIARY	CONTAINS PERMEABLE ZONES OF WATER-BEARING SAND AND GRAVEL
	DACITE	TERTIARY (?)	NON-WATER-BEARING EXCEPT WHERE FRACTURED NEAR FAULTS
	WHITETAIL CONGLOMERATE	TERTIARY OR MESOZOIC (?)	NON-WATER-BEARING IN AREA MAPPED
	DIABASE	MESOZOIC OR LATE PALEOZOIC (?)	NON-WATER-BEARING EXCEPT WHERE FRACTURED NEAR FAULTS
	GLOBE LIMESTONE OF RANSOME	DEVONIAN AND CARBONIFEROUS	YIELDS WATER FROM SOLUTION CHANNELS AND FRACTURED ZONES
	APACHE GROUP (INCLUDING THE TROY QUARTZITE)	CAMBRIAN AND PRE-CAMBRIAN	YIELDS LARGE AMOUNTS OF WATER FROM FRACTURE ZONES PENETRATED BY OLD DOMINION MINE
	MADERA DIORITE, BIOTITE GRANITE AND PINAL SCHIST	PRE-CAMBRIAN (MAY INCLUDE SOME YOUNGER GRANITES)	YIELDS SMALL AMOUNTS OF WATER FROM JOINT PLANES, FRACTURES, AND WEATHERED ZONES

